

Sample	Site	Matrix	Date
Wet Cake concentrations are in ng/g; which equals ug/kg; ppb(wet weight)			
LS2857	070620ALTE1	Wet Cake	7/6/2020
Surface Water Concentrations are in ug/L; ppb			
LS2840	070620AG3	Surface Water	7/6/2020
LS2841	070620FIRE	Surface Water	7/6/2020
LS2842	071420LAG	Surface Water	7/14/2020
LS2843	071420LAG1	Surface Water	7/14/2020
LS2844	072120CREEK1	Surface Water	7/21/2020
LS2845	072120CREEK2	Surface Water	7/21/2020
LS2846	072120CREEK3	Surface Water	7/21/2020
LS2847	072120CREEK4	Surface Water	7/21/2020
LS2848	072120FIRE1	Surface Water	7/21/2020
LS2849	072120HH1	Surface Water	7/21/2020
LS2850	072120LAG1	Surface Water	7/21/2020
LS2851	072120LAG2	Surface Water	7/21/2020
LS2852	072120LAG3	Surface Water	7/21/2020
LS2853	072120SEED1	Surface Water	7/21/2020
LS2854	073020HH1	Surface Water	7/30/2020
LS2855	073020LAG1	Surface Water	7/30/2020
LS2856	073020LAG2	Surface Water	7/30/2020
Concentrations are in ng/g; which equals ug/kg; ppb(wet weight)			
LS2858	072120HH2	Nectar	7/21/2020
LS2859	072120LAG4	Nectar	7/21/2020
LS2860	073120AG2	Honey	7/31/2020
LS2861	073120FIRE1	Honey	7/31/2020
LS2862	073120HH1	Honey	7/31/2020
LS2863	073120LAG1	Honey	7/31/2020
LS2864	073120WELL1	Honey	7/31/2020
LS2874	063020FIRE2	Pollen	6/30/2020
LS2875	063020HH1	Pollen	6/30/2020
LS2876	063020LAG2	Pollen	6/30/2020
LS2877	063020WELL2	Pollen	6/30/2020
LS2882	073120AG1	Pollen	7/31/2020
LS2883	073120FIRE2	Pollen	7/31/2020
LS2884	073120HH2	Pollen	7/31/2020
LS2885	073120LAG2	Pollen	7/31/2020
LS2886	073120WELL2	Pollen	7/31/2020
LS2878	070620AG1	Berries	7/6/2020
LS2879	070620ALTE2	Soil	7/6/2020
LS2880	070620INSB2	Soil	7/6/2020
LS2881	071420LAG2	Soil	7/14/2020
LS2887	071420FIRE1	Milkweed-Leaves	7/14/2020
LS2888	071420FIRE2	Milkweed-Flowers	7/14/2020
LS2889	071420LAG3	Milkweed-Leaves	7/14/2020
LS2890	071420LAG4	Milkweed-Flowers	7/14/2020
LS2891	071420LAG5	Alfalfa-Leaves and Flowers	7/14/2020
LS2892	071420WELL1	Milkweed-Leaves	7/14/2020
LS2893	072120LAG5	Milkweed-Leaves	7/14/2020

Notes	Volume (L) or Mass (g)	Neonicotinoid Insectici	
		Clothianidin	Thiamethoxam
Wetcake mash material collected from AltEn stockpile	0.1185	63986.1	28690.6
Road puddle near Agronomy apiary	0.01	0.357	0.097
	0.015	0.559	0.169
Ditch culvert sampled near Fireshop apiary			
Water from Culvert with continuous water North of ENREC property (closest to AltEn)	0.015	0.640	0.285
Water from creek by Lagoon apiary	0.007	1.093	0.439
Creek on ENREC property (after rain)	0.012	1.053	0.420
Sampled standing/pooling water under west bridge (after rain)	0.01	0.519	0.097
Sampled running water under west bridge (after rain)	0.011	0.246	
Silver Creek: continuous creek on west side of ENREC (after rain)	0.0105	0.052	
Ditch culvert sampled near Fireshop apiary (after rain)	0.01125	0.223	0.061
Ditch culvert sampled near Honey House apiary (after rain)	0.0095	0.779	
Culvert with continuous water North of ENREC property (closest to AltEn) (after rain)	0.0125	1.811	0.931
Creek by Lagoon apiary (after rain)	0.012	1.521	0.834
Creek sampled near Lagoon apiary (standing/pooling water) (after rain)	0.0125	1.622	0.902
Creek by Foundation Seed on ENREC property (after rain)	0.01275	2.042	0.923
Ditch culvert sampled near Honey House apiary (after rain)	0.0125	0.507	0.044
Culvert with continuous water North of ENREC property (closest to AltEn) (after rain)	0.0105	1.852	1.044
Creek by Lagoon apiary (after rain)	0.01225	1.754	0.990
Red clover flower samples near Honey House apiary (after rain)	0.36		
Milkweed plants sampled near Lagoon apiary and along creek (after rain)	0.07		
in-hive nectar collected from hives #10-20; 9-20 (Ag yard)	1.30		
in-hive nectar collected from hive #7-20; 8-20 (Fireshop)	1.70		
in-hive nectar collected from hives #31-20; (pooled Honey house)	1.83		
in-hive nectar collected from hives #4-20; 6-20 (Lagoon)	1.24	1.5	
in-hive nectar collected from hive #2-20 (Well-field shop)	1.10		
in-hive pollen collected from Fireshop hives (pooled)	1.00	108.1	25.1
in-hive pollen collected from Honey house hives (pooled)	1.31	190.4	20.3
in-hive pollen collected from Lagoon apiary	0.95	67.5	18.9
in-hive pollen collected from Well-field hives (pooled)	1.08	79.6	50.9
in-hive pollen collected from hives #10-20; 9-20 (Ag yard)	1.35	35.3	24.7
in-hive pollen collected from hive #7-20; 8-20 (Fireshop)	1.18	51.1	23.0
in-hive pollen collected from hives #31-20; (pooled Honey house)	1.33	284.5	30.0
in-hive pollen collected from hives #4-20; 6-20 (Lagoon)	1.53	99.8	31.5
in-hive pollen collected from hive #2-20 (Well-field shop)	1.82	66.5	34.5
Mulberries collect along ditch near Agronomy apiary	1.58		
Soil puddle collected from wetcake stockpile	1.48	4.7	
Soil collected from dry creek bed near InsectBuilding apiary	1.60	2.0	
Soil by creek Lagoon apiary	1.75	21.1	3.6
milkweeds collected near fireshop yard	1.37	5.2	
milkweeds collected near fireshop yard	1.40	1.6	
Milkweeds collected beside creek near Lagoon apiary	1.28	10.6	
Milkweeds collected beside creek near Lagoon apiary	1.82	42.8	2.4
Alfalfa field in bloom near continous Lagoon creek	1.62	7.8	3.0
Milkweeds collected beside creek near Well-field apiary	1.40	2.3	
Milkweed plants sampled near Lagoon apiary and along creek (after rain)	1.09	3.0	

[illegible]

Sample	Site	Matrix	Date
Wet Cake concentrations are in ng/g; which equals ug/kg; ppb(wet weight)			
LS2857	070620ALTE1	Wet Cake	7/6/2020
Surface Water Concentrations are in ug/L; ppb			
LS2840	070620AG3	Surface Water	7/6/2020
LS2841	070620FIRE	Surface Water	7/6/2020
LS2842	071420LAG	Surface Water	7/14/2020
LS2843	071420LAG1	Surface Water	7/14/2020
LS2844	072120CREEK1	Surface Water	7/21/2020
LS2845	072120CREEK2	Surface Water	7/21/2020
LS2846	072120CREEK3	Surface Water	7/21/2020
LS2847	072120CREEK4	Surface Water	7/21/2020
LS2848	072120FIRE1	Surface Water	7/21/2020
LS2849	072120HH1	Surface Water	7/21/2020
LS2850	072120LAG1	Surface Water	7/21/2020
LS2851	072120LAG2	Surface Water	7/21/2020
LS2852	072120LAG3	Surface Water	7/21/2020
LS2853	072120SEED1	Surface Water	7/21/2020
LS2854	073020HH1	Surface Water	7/30/2020
LS2855	073020LAG1	Surface Water	7/30/2020
LS2856	073020LAG2	Surface Water	7/30/2020
Concentrations are in ng/g; which equals ug/kg; ppb(wet weight)			
LS2858	072120HH2	Nectar	7/21/2020
LS2859	072120LAG4	Nectar	7/21/2020
LS2860	073120AG2	Honey	7/31/2020
LS2861	073120FIRE1	Honey	7/31/2020
LS2862	073120HH1	Honey	7/31/2020
LS2863	073120LAG1	Honey	7/31/2020
LS2864	073120WELL1	Honey	7/31/2020
LS2874	063020FIRE2	Pollen	6/30/2020
LS2875	063020HH1	Pollen	6/30/2020
LS2876	063020LAG2	Pollen	6/30/2020
LS2877	063020WELL2	Pollen	6/30/2020
LS2882	073120AG1	Pollen	7/31/2020
LS2883	073120FIRE2	Pollen	7/31/2020
LS2884	073120HH2	Pollen	7/31/2020
LS2885	073120LAG2	Pollen	7/31/2020
LS2886	073120WELL2	Pollen	7/31/2020
LS2878	070620AG1	Berries	7/6/2020
LS2879	070620ALTE2	Soil	7/6/2020
LS2880	070620INSB2	Soil	7/6/2020
LS2881	071420LAG2	Soil	7/14/2020

Notes	Volume (L) or Mass (g)	Commonly Sprayed Herbicides	
		Atrazine	Metolachlor
Wetcake mash material collected from AltEn stockpile	0.1185		
Road puddle near Agronomy apiary	0.01	0.612	0.319
Ditch culvert sampled near Fireshop apiary	0.015	0.533	0.173
Water from Culvert with continuous water North of ENREC property (closest to AltEn)	0.015		
Water from creek by Lagoon apiary	0.007		
Creek on ENREC property (after rain)	0.012	0.413	0.749
Sampled standing/pooling water under west bridge (after rain)	0.01	0.217	0.000
Sampled running water under west bridge (after rain)	0.011	0.125	2.525
Silver Creek: continuous creek on west side of ENREC (after rain)	0.0105	0.049	0.073
Ditch culvert sampled near Fireshop apiary (after rain)	0.01125	0.218	
Ditch culvert sampled near Honey House apiary (after rain)	0.0095	0.273	
Culvert with continuous water North of ENREC property (closest to AltEn) (after rain)	0.0125	0.041	
Creek by Lagoon apiary (after rain)	0.012		
Creek sampled near Lagoon apiary (standing/pooling water) (after rain)	0.0125		
Creek by Foundation Seed on ENREC property (after rain)	0.01275	0.059	
Ditch culvert sampled near Honey House apiary (after rain)	0.0125	0.262	
Culvert with continuous water North of ENREC property (closest to AltEn) (after rain)	0.0105		
Creek by Lagoon apiary (after rain)	0.01225		
Red clover flower samples near Honey House apiary (after rain)	0.36		
Milkweed plants sampled near Lagoon apiary and along creek (after rain)	0.07		
in-hive nectar collected from hives #10-20; 9-20 (Ag yard)	1.30		
in-hive nectar collected from hive #7-20; 8-20 (Fireshop)	1.70		
in-hive nectar collected from hives #31-20; (pooled Honey house)	1.83	1.4	
in-hive nectar collected from hives #4-20; 6-20 (Lagoon)	1.24		
in-hive nectar collected from hive #2-20 (Well-field shop)	1.10		
in-hive pollen collected from Fireshop hives (pooled)	1.00	80.6	5.1
in-hive pollen collected from Honey house hives (pooled)	1.31	58.8	44.3
in-hive pollen collected from Lagoon apiary	0.95	34.5	20.5
in-hive pollen collected from Well-field hives (pooled)	1.08	69.8	145.5
in-hive pollen collected from hives #10-20; 9-20 (Ag yard)	1.35	37.5	7.8
in-hive pollen collected from hive #7-20; 8-20 (Fireshop)	1.18	34.5	8.4
in-hive pollen collected from hives #31-20; (pooled Honey house)	1.33	14.7	11.0
in-hive pollen collected from hives #4-20; 6-20 (Lagoon)	1.53	11.3	39.2
in-hive pollen collected from hive #2-20 (Well-field shop)	1.82	38.7	75.3
Mulberries collect along ditch near Agronomy apiary	1.58		
Soil puddle collected from wetcake stockpile	1.48		
Soil collected from dry creek bed near InsectBuilding apiary	1.60		
Soil by creek Lagoon apiary	1.75	1.2	

[illegible]

LS2887	071420FIRE1	Milkweed-Leaves	7/14/2020
LS2888	071420FIRE2	Milkweed-Flowers	7/14/2020
LS2889	071420LAG3	Milkweed-Leaves	7/14/2020
LS2890	071420LAG4	Milkweed-Flowers	7/14/2020
LS2891	071420LAG5	Alfalfa-Leaves and Flowers	7/14/2020
LS2892	071420WELL1	Milkweed-Leaves	7/14/2020
LS2893	072120LAG5	Milkweed-Leaves	7/14/2020

milkweeds collected near fireshop yard
 milkweeds collected near fireshop yard
 Milkweeds collected beside creek near Lagoon apiary
 Milkweeds collected beside creek near Lagoon apiary
 Alfalfa field in bloom near continous Lagoon creek
 Milkweeds collected beside creek near Well-field apiary
 Milkweed plants sampled near Lagoon apiary and along creek (after rain)

1.37	2.4	
1.40		
1.28		
1.82		1.3
1.62		
1.40	2.8	
1.09	2.9	

Sample	Site	Matrix	Date
Wet Cake concentrations are in ng/g; which equals ug/kg; ppb(wet weight)			
LS2857	070620ALTE1	Wet Cake	7/6/2020
Surface Water Concentrations are in ug/L; ppb			
LS2840	070620AG3	Surface Water	7/6/2020
LS2841	070620FIRE	Surface Water	7/6/2020
LS2842	071420LAG	Surface Water	7/14/2020
LS2843	071420LAG1	Surface Water	7/14/2020
LS2844	072120CREEK1	Surface Water	7/21/2020
LS2845	072120CREEK2	Surface Water	7/21/2020
LS2846	072120CREEK3	Surface Water	7/21/2020
LS2847	072120CREEK4	Surface Water	7/21/2020
LS2848	072120FIRE1	Surface Water	7/21/2020
LS2849	072120HH1	Surface Water	7/21/2020
LS2850	072120LAG1	Surface Water	7/21/2020
LS2851	072120LAG2	Surface Water	7/21/2020
LS2852	072120LAG3	Surface Water	7/21/2020
LS2853	072120SEED1	Surface Water	7/21/2020
LS2854	073020HH1	Surface Water	7/30/2020
LS2855	073020LAG1	Surface Water	7/30/2020
LS2856	073020LAG2	Surface Water	7/30/2020
Concentrations are in ng/g; which equals ug/kg; ppb(wet weight)			
LS2858	072120HH2	Nectar	7/21/2020
LS2859	072120LAG4	Nectar	7/21/2020
LS2860	073120AG2	Honey	7/31/2020
LS2861	073120FIRE1	Honey	7/31/2020
LS2862	073120HH1	Honey	7/31/2020
LS2863	073120LAG1	Honey	7/31/2020
LS2864	073120WELL1	Honey	7/31/2020
LS2874	063020FIRE2	Pollen	6/30/2020
LS2875	063020HH1	Pollen	6/30/2020
LS2876	063020LAG2	Pollen	6/30/2020
LS2877	063020WELL2	Pollen	6/30/2020
LS2882	073120AG1	Pollen	7/31/2020
LS2883	073120FIRE2	Pollen	7/31/2020
LS2884	073120HH2	Pollen	7/31/2020
LS2885	073120LAG2	Pollen	7/31/2020
LS2886	073120WELL2	Pollen	7/31/2020
LS2878	070620AG1	Berries	7/6/2020
LS2879	070620ALTE2	Soil	7/6/2020
LS2880	070620INSB2	Soil	7/6/2020

Notes	Volume (L) or Mass (g)	Other Fungicide	
		Carbendazim	Metalaxyl
Wetcake mash material collected from AltEn stockpile	0.1185		
Road puddle near Agronomy apiary	0.01		
Ditch culvert sampled near Fireshop apiary	0.015		
Water from Culvert with continuous water North of ENREC property (closest to AltEn)	0.015		
Water from creek by Lagoon apiary	0.007		
Creek on ENREC property (after rain)	0.012		0.050
Sampled standing/pooling water under west bridge (after rain)	0.01		0.058
Sampled running water under west bridge (after rain)	0.011		
Silver Creek: continuous creek on west side of ENREC (after rain)	0.0105		
Ditch culvert sampled near Fireshop apiary (after rain)	0.01125		
Ditch culvert sampled near Honey House apiary (after rain)	0.0095		
Culvert with continuous water North of ENREC property (closest to AltEn) (after rain)	0.0125		
Creek by Lagoon apiary (after rain)	0.012		0.046
Creek sampled near Lagoon apiary (standing/pooling water) (after rain)	0.0125		
Creek by Foundation Seed on ENREC property (after rain)	0.01275		0.050
Ditch culvert sampled near Honey House apiary (after rain)	0.0125		
Culvert with continuous water North of ENREC property (closest to AltEn) (after rain)	0.0105		
Creek by Lagoon apiary (after rain)	0.01225		
Red clover flower samples near Honey House apiary (after rain)	0.36		
Milkweed plants sampled near Lagoon apiary and along creek (after rain)	0.07		
in-hive nectar collected from hives #10-20; 9-20 (Ag yard)	1.30	9.6	
in-hive nectar collected from hive #7-20; 8-20 (Fireshop)	1.70	1.5	
in-hive nectar collected from hives #31-20; (pooled Honey house)	1.83	13.4	
in-hive nectar collected from hives #4-20; 6-20 (Lagoon)	1.24	4.0	
in-hive nectar collected from hive #2-20 (Well-field shop)	1.10	5.5	
in-hive pollen collected from Fireshop hives (pooled)	1.00	2.8	2.6
in-hive pollen collected from Honey house hives (pooled)	1.31	17.9	4.6
in-hive pollen collected from Lagoon apiary	0.95		2.4
in-hive pollen collected from Well-field hives (pooled)	1.08	45.2	4.2
in-hive pollen collected from hives #10-20; 9-20 (Ag yard)	1.35	23.3	3.8
in-hive pollen collected from hive #7-20; 8-20 (Fireshop)	1.18	6.6	
in-hive pollen collected from hives #31-20; (pooled Honey house)	1.33	6.1	6.1
in-hive pollen collected from hives #4-20; 6-20 (Lagoon)	1.53	29.0	3.6
in-hive pollen collected from hive #2-20 (Well-field shop)	1.82	90.2	2.8
Mulberries collect along ditch near Agronomy apiary	1.58		
Soil puddle collected from wetcake stockpile	1.48		1539.8
Soil collected from dry creek bed near InsectBuilding apiary	1.60		

es (can be seed treatment of sprayed)			Carbendazim (µg/L)				
Metconazole	Propiconazole	Picoxystrobin	Fish (acute)	Fish (chronic)	Invertebrates (acute)	Invertebrates (chronic)	Non-vascular (acute)
			NA	NA	NA	NA	NA
				Metalaxyl (µg/L)			
			Fish (acute)	Fish (chronic)	Invertebrates (acute)	Invertebrates (chronic)	Non-vascular (acute)
				65000	9100	14000	1200 NA
				Metconazole (µg/L)			
			Fish (acute)	Fish (chronic)	Invertebrates (acute)	Invertebrates (chronic)	Non-vascular (acute)
			NA	NA	NA	NA	NA
				Propiconazole (µg/L)			
	0.079		Fish (acute)	Fish (chronic)	Invertebrates (acute)	Invertebrates (chronic)	Non-vascular (acute)
8.307	0.486	2.530		425	95	650	260
0.540	0.207	0.055		Picoxystrobin (µg/L)			
	0.141		Fish (acute)	Fish (chronic)	Invertebrates (acute)	Invertebrates (chronic)	Non-vascular (acute)
				32.5	36	12	1
							4

Vascular
(Acute)

NA

Vascular
(Acute)

NA

Vascular
(Acute)

NA

Vascular
(Acute)

3500

Vascular
(Acute)

210

LS2881	071420LAG2	Soil	7/14/2020
LS2887	071420FIRE1	Milkweed-Leaves	7/14/2020
LS2888	071420FIRE2	Milkweed-Flowers	7/14/2020
LS2889	071420LAG3	Milkweed-Leaves	7/14/2020
LS2890	071420LAG4	Milkweed-Flowers	7/14/2020
LS2891	071420LAG5	Alfalfa-Leaves and Flowers	7/14/2020
LS2892	071420WELL1	Milkweed-Leaves	7/14/2020
LS2893	072120LAG5	Milkweed-Leaves	7/14/2020

Soil by creek Lagoon apiary
milkweeds collected near fireshop yard
milkweeds collected near fireshop yard
Milkweeds collected beside creek near Lagoon apiary
Milkweeds collected beside creek near Lagoon apiary
Alfalfa field in bloom near continous Lagoon creek
Milkweeds collected beside creek near Well-field apiary
Milkweed plants sampled near Lagoon apiary and along creek (after rain)

1.75		
1.37		
1.40		
1.28		
1.82		
1.62		
1.40		
1.09		

	3.3	
	3.3	
		1.9
	1.1	
	1.5	
	2.2	
	1.8	

Sample	Site	Matrix	Date
Wet Cake concentrations are in ng/g; which equals ug/kg; ppb(wet weight)			
LS2857	070620ALTE1	Wet Cake	7/6/2020
Surface Water Concentrations are in ug/L; ppb			
LS2840	070620AG3	Surface Water	7/6/2020
LS2841	070620FIRE	Surface Water	7/6/2020
LS2842	071420LAG	Surface Water	7/14/2020
LS2843	071420LAG1	Surface Water	7/14/2020
LS2844	072120CREEK1	Surface Water	7/21/2020
LS2845	072120CREEK2	Surface Water	7/21/2020
LS2846	072120CREEK3	Surface Water	7/21/2020
LS2847	072120CREEK4	Surface Water	7/21/2020
LS2848	072120FIRE1	Surface Water	7/21/2020
LS2849	072120HH1	Surface Water	7/21/2020
LS2850	072120LAG1	Surface Water	7/21/2020
LS2851	072120LAG2	Surface Water	7/21/2020
LS2852	072120LAG3	Surface Water	7/21/2020
LS2853	072120SEED1	Surface Water	7/21/2020
LS2854	073020HH1	Surface Water	7/30/2020
LS2855	073020LAG1	Surface Water	7/30/2020
LS2856	073020LAG2	Surface Water	7/30/2020
Concentrations are in ng/g; which equals ug/kg; ppb(wet weight)			
LS2858	072120HH2	Nectar	7/21/2020
LS2859	072120LAG4	Nectar	7/21/2020
LS2860	073120AG2	Honey	7/31/2020
LS2861	073120FIRE1	Honey	7/31/2020
LS2862	073120HH1	Honey	7/31/2020
LS2863	073120LAG1	Honey	7/31/2020
LS2864	073120WELL1	Honey	7/31/2020
LS2874	063020FIRE2	Pollen	6/30/2020
LS2875	063020HH1	Pollen	6/30/2020
LS2876	063020LAG2	Pollen	6/30/2020
LS2877	063020WELL2	Pollen	6/30/2020
LS2882	073120AG1	Pollen	7/31/2020
LS2883	073120FIRE2	Pollen	7/31/2020
LS2884	073120HH2	Pollen	7/31/2020
LS2885	073120LAG2	Pollen	7/31/2020
LS2886	073120WELL2	Pollen	7/31/2020
LS2878	070620AG1	Berries	7/6/2020
LS2879	070620ALTE2	Soil	7/6/2020
LS2880	070620INSB2	Soil	7/6/2020
LS2881	071420LAG2	Soil	7/14/2020
LS2887	071420FIRE1	Milkweed-Leaves	7/14/2020

Notes	Ryanoid Insecticide	
	Volume (L) or Mass (g)	Chlorantraniliprole
Wetcake mash material collected from AltEn stockpile	0.1185	6609.9
Road puddle near Agronomy apiary	0.01	0.104
Ditch culvert sampled near Fireshop apiary	0.015	0.127
Water from Culvert with continuous water North of ENREC property (closest to AltEn)	0.015	0.122
Water from creek by Lagoon apiary	0.007	0.214
Creek on ENREC property (after rain)	0.012	0.236
Sampled standing/pooling water under west bridge (after rain)	0.01	0.142
Sampled running water under west bridge (after rain)	0.011	0.073
Silver Creek: continuous creek on west side of ENREC (after rain)	0.0105	0.054
Ditch culvert sampled near Fireshop apiary (after rain)	0.01125	0.104
Ditch culvert sampled near Honey House apiary (after rain)	0.0095	0.303
Culvert with continuous water North of ENREC property (closest to AltEn) (after rain)	0.0125	0.256
Creek by Lagoon apiary (after rain)	0.012	0.195
Creek sampled near Lagoon apiary (standing/pooling water) (after rain)	0.0125	0.240
Creek by Foundation Seed on ENREC property (after rain)	0.01275	0.321
Ditch culvert sampled near Honey House apiary (after rain)	0.0125	0.379
Culvert with continuous water North of ENREC property (closest to AltEn) (after rain)	0.0105	0.194
Creek by Lagoon apiary (after rain)	0.01225	0.202
Red clover flower samples near Honey House apiary (after rain)	0.36	
Milkweed plants sampled near Lagoon apiary and along creek (after rain)	0.07	
in-hive nectar collected from hives #10-20; 9-20 (Ag yard)	1.30	
in-hive nectar collected from hive #7-20; 8-20 (Fireshop)	1.70	
in-hive nectar collected from hives #31-20; (pooled Honey house)	1.83	
in-hive nectar collected from hives #4-20; 6-20 (Lagoon)	1.24	
in-hive nectar collected from hive #2-20 (Well-field shop)	1.10	
in-hive pollen collected from Fireshop hives (pooled)	1.00	2.6
in-hive pollen collected from Honey house hives (pooled)	1.31	44.5
in-hive pollen collected from Lagoon apiary	0.95	19.0
in-hive pollen collected from Well-field hives (pooled)	1.08	6.6
in-hive pollen collected from hives #10-20; 9-20 (Ag yard)	1.35	17.6
in-hive pollen collected from hive #7-20; 8-20 (Fireshop)	1.18	3.2
in-hive pollen collected from hives #31-20; (pooled Honey house)	1.33	30.3
in-hive pollen collected from hives #4-20; 6-20 (Lagoon)	1.53	9.7
in-hive pollen collected from hive #2-20 (Well-field shop)	1.82	31.8
Mulberries collect along ditch near Agronomy apiary	1.58	
Soil puddle collected from wetcake stockpile	1.48	1590.0
Soil collected from dry creek bed near InsectBuilding apiary	1.60	1.8
Soil by creek Lagoon apiary	1.75	18.6
milkweeds collected near fireshop yard	1.37	

Chlorantraniliprole (µg/L)						
Fish (acute)	Fish (chronic)	Invertebrates (acute)	Invertebrates (chronic)	Non-vascular (acute)	Vascular (Acute)	
	6900	110	5.8	4.47	1780	2000

LS2888	071420FIRE2	Milkweed-Flowers	7/14/2020
LS2889	071420LAG3	Milkweed-Leaves	7/14/2020
LS2890	071420LAG4	Milkweed-Flowers	7/14/2020
LS2891	071420LAG5	Alfalfa-Leaves and Flowers	7/14/2020
LS2892	071420WELL1	Milkweed-Leaves	7/14/2020
LS2893	072120LAG5	Milkweed-Leaves	7/14/2020

milkweeds collected near fireshop yard

Milkweeds collected beside creek near Lagoon apiary

Milkweeds collected beside creek near Lagoon apiary

Alfalfa field in bloom near continous Lagoon creek

Milkweeds collected beside creek near Well-field apiary

Milkweed plants sampled near Lagoon apiary and along creek (after rain)

1.40	
1.28	8.7
1.82	4.7
1.62	
1.40	
1.09	

Sample	Site	Matrix	Date
Wet Cake concentrations are in ng/g; which equals ug/kg; ppb(wet weight)			
LS2857	070620ALTE1	Wet Cake	7/6/2020
Surface Water Concentrations are in ug/L; ppb			
LS2840	070620AG3	Surface Water	7/6/2020
LS2841			
	070620FIRE	Surface Water	7/6/2020
LS2842	071420LAG	Surface Water	7/14/2020
LS2843	071420LAG1	Surface Water	7/14/2020
LS2844			
	072120CREEK1	Surface Water	7/21/2020
LS2845	072120CREEK2	Surface Water	7/21/2020
LS2846	072120CREEK3	Surface Water	7/21/2020
LS2847			
	072120CREEK4	Surface Water	7/21/2020
LS2848	072120FIRE1	Surface Water	7/21/2020
LS2849	072120HH1	Surface Water	7/21/2020
LS2850			
	072120LAG1	Surface Water	7/21/2020
LS2851	072120LAG2	Surface Water	7/21/2020
LS2852	072120LAG3	Surface Water	7/21/2020
LS2853			
	072120SEED1	Surface Water	7/21/2020
LS2854	073020HH1	Surface Water	7/30/2020
LS2855	073020LAG1	Surface Water	7/30/2020
LS2856			
	073020LAG2	Surface Water	7/30/2020
Concentrations are in ng/g; which equals ug/kg; ppb(wet weight)			
LS2858			
	072120HH2	Nectar	7/21/2020
LS2859	072120LAG4	Nectar	7/21/2020
LS2860	073120AG2	Honey	7/31/2020
LS2861			
	073120FIRE1	Honey	7/31/2020
LS2862	073120HH1	Honey	7/31/2020
LS2863	073120LAG1	Honey	7/31/2020
LS2864			
	073120WELL1	Honey	7/31/2020
LS2874	063020FIRE2	Pollen	6/30/2020

Notes	Volume (L) or Mass (g)		
		Fluoxastrobin	Thiabendazole
Wetcake mash material collected from AltEn stockpile	0.1185	18716.6	11391.5
Road puddle near Agronomy apiary	0.01		0.177
	0.015		0.425
Ditch culvert sampled near Fireshop apiary			
Water from Culvert with continuous water North of ENREC property (closest to AltEn)	0.015		0.581
Water from creek by Lagoon apiary	0.007		1.017
	0.012	0.157	0.796
Creek on ENREC property (after rain)			
Sampled standing/pooling water under west bridge (after rain)	0.01		0.271
Sampled running water under west bridge (after rain)	0.011		0.198
	0.0105		0.173
Silver Creek: continuous creek on west side of ENREC (after rain)			
Ditch culvert sampled near Fireshop apiary (after rain)	0.01125		0.158
Ditch culvert sampled near Honey House apiary (after rain)	0.0095		0.358
	0.0125	0.260	1.337
Culvert with continuous water North of ENREC property (closest to AltEn) (after rain)			
Creek by Lagoon apiary (after rain)	0.012	0.088	0.983
Creek sampled near Lagoon apiary (standing/pooling water) (after rain)	0.0125	0.229	1.010
	0.01275	0.404	0.964
Creek by Foundation Seed on ENREC property (after rain)			
Ditch culvert sampled near Honey House apiary (after rain)	0.0125	0.185	0.471
Culvert with continuous water North of ENREC property (closest to AltEn) (after rain)	0.0105	0.204	0.364
	0.01225	0.237	0.961
Creek by Lagoon apiary (after rain)			
	0.36		
Red clover flower samples near Honey House apiary (after rain)			
Milkweed plants sampled near Lagoon apiary and along creek (after rain)	0.07		
in-hive nectar collected from hives #10-20; 9-20 (Ag yard)	1.30		
	1.70		
in-hive nectar collected from hive #7-20; 8-20 (Fireshop)			
in-hive nectar collected from hives #31-20; (pooled Honey house)	1.83		
in-hive nectar collected from hives #4-20; 6-20 (Lagoon)	1.24		
	1.10		
in-hive nectar collected from hive #2-20 (Well-field shop)			
in-hive pollen collected from Fireshop hives (pooled)	1.00	3.6	16.5

[illegible]

		Fluoxastrobin (µg/L)					
Trifloxystrobin	Pyraclostrobin	Fish (acute)	Fish (chronic)	Invertebrates (acute)	Invertebrates (chronic)	Non-vascular (acute)	Vascular (Acute)
		NA	NA	NA	NA	NA	NA
352.3	187.0	Thiabendazole (µg/L)					
		Fish (acute)	Fish (chronic)	Invertebrates (acute)	Invertebrates (chronic)	Non-vascular (acute)	Vascular (Acute)
			280	110	155	42	1420
						2320	
		Ipconazole (µg/L)					
		Fish (acute)	Fish (chronic)	Invertebrates (acute)	Invertebrates (chronic)	Non-vascular (acute)	Vascular (Acute)
			765	180	850	NA	NA
		Tebuconazole (µg/L)					
	0.000	Fish (acute)	Fish (chronic)	Invertebrates (acute)	Invertebrates (chronic)	Non-vascular (acute)	Vascular (Acute)
	3.374		1135	11	1440	120	1450
	0.122					151	
		Azoxystrobin (µg/L)					
		Fish (acute)	Fish (chronic)	Invertebrates (acute)	Invertebrates (chronic)	Non-vascular (acute)	Vascular (Acute)
			235	147	130	44	49
						3400	
		Ethaboxam (µg/L)					
		Fish (acute)	Fish (chronic)	Invertebrates (acute)	Invertebrates (chronic)	Non-vascular (acute)	Vascular (Acute)
			1090	880	185	50	3600
						13000	
		Desthioprothioconazole (Prothioconazole degradate) (µg/L)					
		Fish (acute)	Fish (chronic)	Invertebrates (acute)	Invertebrates (chronic)	Non-vascular (acute)	Vascular (Acute)
			NA	NA	NA	NA	NA
		Sedaxane (µg/L)					
		Fish (acute)	Fish (chronic)	Invertebrates (acute)	Invertebrates (chronic)	Non-vascular (acute)	Vascular (Acute)
			NA	NA	NA	NA	NA
		Difenoconazole (µg/L)					
		Fish (acute)	Fish (chronic)	Invertebrates (acute)	Invertebrates (chronic)	Non-vascular (acute)	Vascular (Acute)
			405	0.86	385	5.6	98
						1900	
		Trifloxystrobin (µg/L)					
		Fish (acute)	Fish (chronic)	Invertebrates (acute)	Invertebrates (chronic)	Non-vascular (acute)	Vascular (Acute)
			7.15	4.3	12.65	2.76	37.1
						1930	
		Pyraclostrobin (µg/L)					
		Fish (acute)	Fish (chronic)	Invertebrates (acute)	Invertebrates (chronic)	Non-vascular (acute)	Vascular (Acute)
			3.1	2.35	7.9	4.0	1.5
						1197.0	

LS2875	063020HH1	Pollen	6/30/2020
LS2876	063020LAG2	Pollen	6/30/2020
LS2877	063020WELL2	Pollen	6/30/2020
LS2882	073120AG1	Pollen	7/31/2020
LS2883	073120FIRE2	Pollen	7/31/2020
LS2884	073120HH2	Pollen	7/31/2020
LS2885	073120LAG2	Pollen	7/31/2020
LS2886	073120WELL2	Pollen	7/31/2020
LS2878	070620AG1	Berries	7/6/2020
LS2879	070620ALTE2	Soil	7/6/2020
LS2880	070620INSB2	Soil	7/6/2020
LS2881	071420LAG2	Soil	7/14/2020
LS2887	071420FIRE1	Milkweed-Leaves	7/14/2020
LS2888	071420FIRE2	Milkweed-Flowers	7/14/2020
LS2889	071420LAG3	Milkweed-Leaves	7/14/2020
LS2890	071420LAG4	Milkweed-Flowers	7/14/2020
LS2891	071420LAG5	Alfalfa-Leaves and Flowers	7/14/2020
LS2892	071420WELL1	Milkweed-Leaves	7/14/2020
LS2893	072120LAG5	Milkweed-Leaves	7/14/2020

in-hive pollen collected from Honey house hives (pooled)	1.31	15.9	13.6
in-hive pollen collected from Lagoon apiary	0.95	9.0	5.2
in-hive pollen collected from Well-field hives (pooled)	1.08	5.5	19.9
in-hive pollen collected from hives #10-20; 9-20 (Ag yard)	1.35	9.2	7.6
in-hive pollen collected from hive #7-20; 8-20 (Fireshop)	1.18	5.6	5.6
in-hive pollen collected from hives #31-20; (pooled Honey house)	1.33	88.0	12.3
in-hive pollen collected from hives #4-20; 6-20 (Lagoon)	1.53	11.1	8.0
in-hive pollen collected from hive #2-20 (Well-field shop)	1.82	8.1	14.8
Mulberries collect along ditch near Agronomy apiary	1.58		
Soil puddle collected from wetcake stockpile	1.48		1067.2
Soil collected from dry creek bed near InsectBuilding apiary	1.60		15.1
Soil by creek Lagoon apiary	1.75	63.1	61.0
milkweeds collected near fireshop yard	1.37		
milkweeds collected near fireshop yard	1.40		
Milkweeds collected beside creek near Lagoon apiary	1.28	5.9	
Milkweeds collected beside creek near Lagoon apiary	1.82	23.6	
Alfalfa field in bloom near continous Lagoon creek	1.62	2.5	
Milkweeds collected beside creek near Well-field apiary	1.40		
Milkweed plants sampled near Lagoon apiary and along creek (after rain)	1.09		

1.8	4.5				
2.4	5.8				
2.6	16.4				
2.2	5.9	10.7			
	3.4	6.5			
2.3	7.2		2.2	4.0	
2.0	8.6				
2.5	7.4	2.7		3.3	
631.7	831.0		35.6	996.9	451.1
	1.8				115.5
11.7	95.1	1.1		9.8	22.9
		6.1			2.6
		0.4		4.3	
		1.7			
1.2		1.2		3.6	
		3.6			

		9.9
	5.4	12.6
	2.7	30.3
	39.3	
		3.5